Veg MOU Work Group

Mapping Standards Summary Table

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Map Level	Ecological Analysis Scale (Range) ECOMAP 1997	Typical Map Extent (Analysis Scale)	Existing Vegetation Map Specifications	Accuracy Goals	Temporal Scale (Update Cycle)	Existing Vegetation Classification System (Level of Detail)	Business Requirements	Cooperators' Business Requirements (examples)	Existing Vegetation Map Unit Design	Analysis Example i.e. Wildlife Habitat	Image Data Source Examples
Broad-scale	**1:7,500,000 to 1:250,000;** generally polygon sizes of 10-1,000 sq mi. (USFS); map scales of 1:1 million to 1:250K (DFG & DOC)	Multi-state or State (20+ million acres)	50-250 acre mmu, 1:250K to 1:1 million map scale +/- 416 ft accuracy	80-85%	5 to 10 years; (usually every 5 yrs.)	Dominance Types, Alliances (example SRM, SAF cover types); NVCS Formation to "bioregional alliance complex, WHR complex (DFG); CALVEG, WHR, Holland (CDF);	State Assessments, Bioregional Assessments, Monitoring and Evaluation, Regional Fuels Assessment, Post-fire Assessments (USFS); CCRISP, GAP analysis, range and distribution predict. For WHR (DFG); Bioregional Assessmts., Monitor'g., & Eval. (USFWS); Acquisition Planning Bioregional Conservation Planning (linkage ID)---(DPR)	State Reports, GAP, REGAP, Fire	Dominance Type Groups, Alliance Groups (USFS); NVCS sub-formation level mapping units; alliance groups, WHR groups (DFG); operational alliances, SAF/SRM & WHR cover types/groups, canopy cover groups (CDF);	Meta-populations to Populations	AVHRR, TM 30 meter imagery
Mid-scale	**1:250,000 to 1:24,000;** generally polygon sizes of 1,000-10,000 acres (USFS);	Multi-forest or Forest (50,000+ Acres); State, County multi-forest (CDF);	5-10 acres mmu, 1:100,000 map scale to capture (USGS mapping std.), +/- 166 ft. accuracy;	85%	5-10 years; with boundary/land use changes exceptions	Dominance Types, Alliances, (Associations optional where needed); WHR veg. Class.; CalVeg	Forest Planning, Multi-forest Planning, 4th/5th HUC Watershed Analysis, Project Planning, Monitoring and Evaluation, Forest Fuels Assessment, Forest and Rangeland Health Assessments, Post-fire Assessments, NFMA Compliance, NEPA Compliance (USFS); Reg. & county HCP & NCCP mapping, regional WHR modeling (DFG); Critical habitat designations, NEPA compliance, monitoring (FWS); Project Planning, monitoring for EA (USBR); Acquisition Planning Bioregional Conservation Planning, Linkage ID, vegetation management, exotic infestation, restoraton opps., prescribed fire planning, general planning, facility siting (general), recreation planning, monitoring, wildlife management (DPR);	Multi-county Reports, T&E Conservation Strategies, Sub-Regional Assessments, NWI	Dominance Type Groups, Alliance Groups (USFS); NVCS sub-formation level mapping units; WHR types (DFG & CDF)	Meta-populations, Seasonal Use Patterns, Suitable Habitat	TM 30 Meter, SPOT 10 Meter, IRS 5 Meter, NAAP Photos
Fine-scale	**1:24,000 to 1:6,000;** generally polygon sizes of <1000 acres	6th/7th HUC Watershed or Project area (<50,000 Acres)	1-5 acre mmu,1:6K map scale; accuracy to 1:24,000 +/- 40 ft. accuracy map scale or larger	85-90% project-level goal; need to at least meet mid-level accuracy; 90% for alliance and 85% assoc. levels	business driven updates: when mid-scale data indicates 10% cover change or every 5-10 years to update mid-scale data	Alliances, Associations; dominant species	5th/6th HUC Watershed Analysis, Project Planning, Monitoring and Evaluation, Activity Tracking, Forest and Rangeland Health Assessments, Post-fire Assessments and Rehabilitation, Fuels Management, Riparian Area Delineation, Various Resource Assessments, NEPA Compliance, NFMA Compliance	NWI, Riparian Mapping; T&E Conservation Strategies, mapping of SNAs, National & State parks, wildlife areas (DFG)	Alliances, Association, Association Complexes, (and could include: Canopy Cover Classes, Size/Height Classes, Vertical and Horizontal Structure; site quality, disturbance, etc.; Dominant Species)--- "Core/Optional stds."	Local Population, Seasonal Use Patterns, Specific Habitat Components	1:24,000 to 1:6,000 Resource Photos, DOQQs, IKONOS 1 meter, IRS 5 meter
Ground-based mapping (Field vist required for each polygon)	1:6K to 1:500 (DFG); 1:24K to 1:1,200 (DOC)	<10K acres (DFG); neighborhood to city extent (1 to 50K acres) (DOC)	<1/2 acre mmu & < 40-ft. accuracy (DFG); .5 to 2.5 acre mmu (DOC)	>=95%	as needed on assessmt. Of incremental change		Rare natural communities, plant populations (DFG); Building density per parcel; stage of crop development (DOC);fish habitat cover, riparian T&E habitat assessment; THP review, Project-level review	NVCS associations to assoc. phases	NVCS associations to assoc. phases	on-site monitoring of communities and species	<1:6K aerial photos, groundbased field mapping (DFG); 1-meter imagery (DOC)